WO 2005/075593 A1

CLAIMS

- 1. A separating layer carrier comprising a laminar substrate (10) and a separating layer (14) applied thereon, which is suitable for depositing a self-adhesive material provided with a layer of adhesive (20) and comprises a relief structure (22) with raised sections forming substantially complementary channels in the layer of adhesive (20), through which air trapped during adhesion can escape, characterized in that the relief structure (22) is provided, at least in part, by an imprint on the substrate (10).
- 2. The separating layer carrier according to claim 1, characterized in that the substrate (10) comprises paper.
- 3. The separating layer carrier according to claim 2, characterized in that the substrate (10) comprises coated paper.
- 4. The separating layer carrier according to claim 2, characterized in that the substrate (10) comprises paper coated with plastic.
- 5. The separating layer carrier according to claim 1, characterized in that the substrate (10) comprises plastic film.
- 6. The separating layer carrier according to claim 5, characterized in that the substrate (10) comprises plastic film coated with plastic.
- 7. The separating layer carrier according to one of claims 1 to 6, characterized in that a separating layer (14) is imprinted on the substrate (10) with the relief structure (22) covering the entire surface.

- 8. The separating layer carrier according to one of claims 1 to 7, characterized in that the relief structure (22) is a regular polygonal structure comprising polygons having between four and eight corners, in particular rhombuses or regular hexagons.
- 9. The separating layer carrier according to one of claims 1 to 7, characterized in that the relief structure (22) is an irregular polygonal structure comprising stochastically shaped and distributed corner-joined polygons having between four and seven corners.
- 10. The separating layer carrier according to one of claims 1 to 9, characterized in that the relief structure (22) comprises sections having a width of from 50 µm to 200 µm and a height of from 5 µm to 40 µm.
- 11. The separating layer carrier according to one of claims 8 to 10, characterized in that each one polygon covers an area of from $0.5~\mathrm{mm}^2$ to $3~\mathrm{mm}^2$.
- 12. Self-adhesive material comprising a separating layer carrier according to one of claims 1 to 11.